Innovative Web Tools for User Outreach: ChemWeb.com Alerting Services

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Introduction

ChemWeb.com aims to maintain a 'one-stop site' for chemists to support their daily research activities.

ChemWeb Objectives

- To provide a wide range of useful services and products for chemists
- To create a global community of chemists on the Web
- To offer free membership and a range of free services
- To take advantage of the technology offered by the Web
- To develop easy-to-use accessible data sources and services
- To innovate

Membership of ChemWeb.com is free, and provides access to a wealth of scientific information and services.

ChemWeb Alerting Services

ChemWeb provides its Members with a range of Alerting Services, to effectively and conveniently deliver information and updates to the users' e-mail inboxes.

ChemWeb Services & Products

ChemWeb Library: search and browse over 230 journals from a range of publishers such as Elsevier Science, Marcel Dekker, Gordon & Breach, CRC Press.

ChemWeb Databases: access over 30 chemical information databases, including abstracts and structure searchable databases such as Beilstein Abstracts, MEDLINE, ISI Reaction Citation Index.

the alchemist: ChemWeb's lively daily online magazine containing News; Features; Reviews; Company, Journal & Laboratory Profiles; Worldwide Conference Coverage; Hot Papers; and Editorials.

Chemistry Preprint Server: chemists can post completed or work-in-progress articles online prior to publication, where fellow researchers can read, review, comment on and rank the articles. It is the first preprint server for chemists!

Weekly ChemWeb Member Bulletins: posted to Members' e-mail inboxes to keep the user community informed of new content, Member offers and ChemWeb activities.

Keeping Members Informed

ChemWeb Members can stay informed to new content by receiving a range of **E-mail Alerts**

- ChemWeb Weekly Member **News Bulletin**
- Journal E-mail Alerts
- Database E-mail Alerts
- alchemist Weekly Updates
- alchemist Conference Reports
- **Chemistry Preprint Server** F-mail Alerts



Beilstein Abstracts Chemistry Preprint <u>Server</u> LAIMS/U.S. Conference Centre

Communities

Analytical

Catalysis

Materials

Organic

Polymer

Electrochemistry

Careers Centre

[Advanced Search]

have announced a new partnership jobs database in the ChemWeb.com Careers Centre.

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ChemWeb.com and sciencejobs.com where sciencejobs.com will power the

7 Biochemistry titles free

7 Biochemistry titles, including the Journal of Biotechnology and Biotechnology Advances have been added to the Library and are available FREE of charge to ChemWeb.com members until August 1st 2001.

Headlines

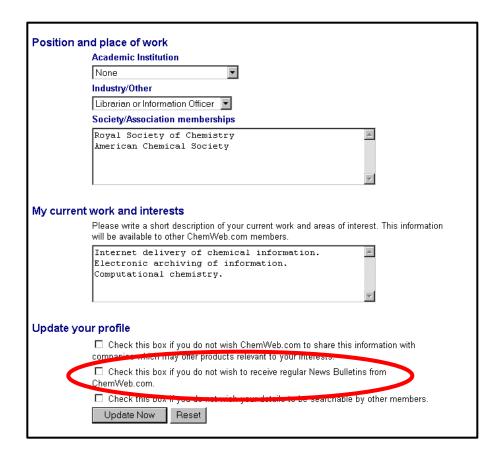
► AstraZeneca gets Heartburn On Monday 14 May 2001 at the National Press Club, Washington, DC, the SPAN coalition announced that consumer and patient groups across the country will

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begin a series of class actions against pharmaceutical companies that prevent competition and endanger public health. (23 May 2001)

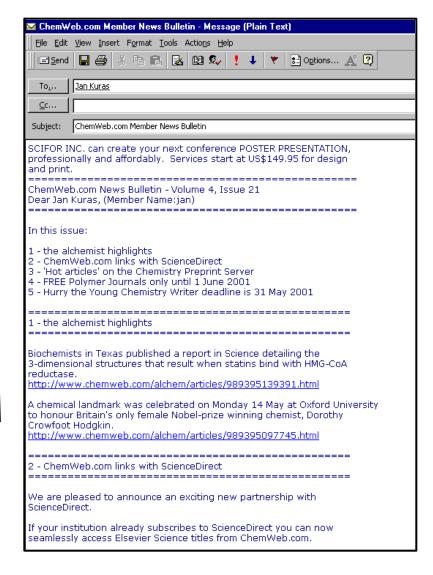
Oil Companies to Invest \$25 Billion in Saudi Natural Gas Projects

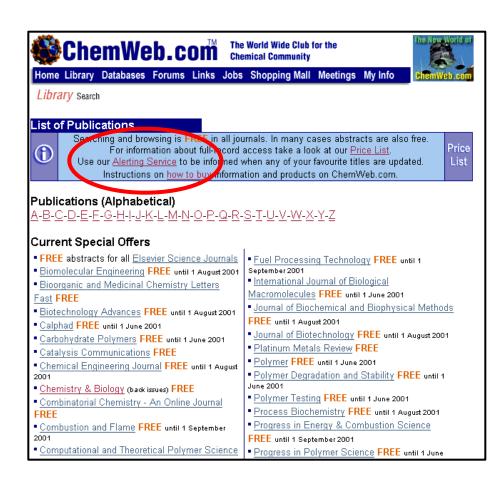
Saudi Arabia announced which energy companies will participate in three huge natural gas development projects. (23 May 2001).



When joining ChemWeb.com or by updating their Member Profiles, ChemWeb Members can sign up to receive **Weekly News Bulletins**. The News Bulletins keep Members informed of the latest developments at ChemWeb.

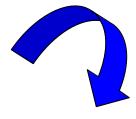
ChemWeb Weekly Member News Bulletin



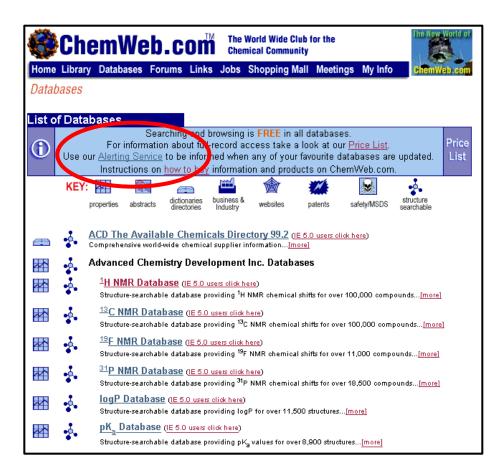


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Journal E-mail Alerts

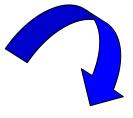


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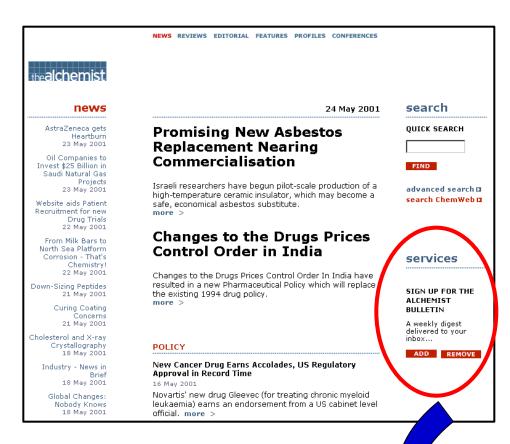


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Database E-mail Alerts



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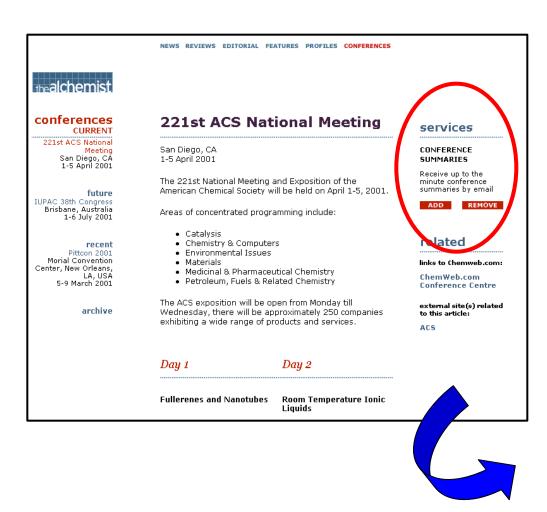
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the alchemist Updates

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To Jan Kuras
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Subject: Alchemist Update
Dear Jan Kuras,
The Alchemist has been updated and is now available at: http://alchemist.chemweb.com

Biochemists in Texas published a report in Science detailing the 3-dimensional structures that result when statins bind with HMG-CoA reductase. http://www.chemweb.com/alchem/articles/989395139391.html
Models for changes in global climate were up for discussion at an international workshop organised recently in Rome by Accademia dei Lincei, the most exclusive science club in Italy. http://www.chemweb.com/alchem/articles/989395180177.html

Catalyst: A better understanding of how the viruses that cause dengue haemmorhagic fever interact with compounds that inhibit blood-clotting could lead to new drugs for this previously intractable disease, according to work being carried out in the US and Japan. http://www.chemweb.com/alchem/articles/989395133740.html
Chemometrics: Principal components based approaches can be employed for determination of the number of peaks in a cluster of two way chromatographic data, and despite the large and complex literature, the concepts are simple. http://www.chemweb.com/alchem/articles/989395129145.html



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the alchemist Conference Reports

≥ 220th ACS National Meeting - The Alchemist Report - Message (Plain Text)
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To Jan Kuras
<u>C</u> c
Subject: 220th ACS National Meeting - The Alchemist Report
The Alchemist Conference Reporter brings you coverage of 220th ACS National Meeting in Washington, DC, USA on 20-24 August 2000.
http://www.chemweb.com/alchemist/
Day 2
Award for Excellence in Teaching
Dr Harold M. McNair, Virginia Technical University, was awarded the J. Cal Giddings Award for Excellence in Teaching within the Analytical Division Symposia.
Full Report: http://www.chemweb.com/alchem/2000/diary/cd_000822_acs2.html
The Chemistry Preprint Server now live on ChemWeb.com
A major new initiative for the chemistry community was unveiled and demonstrated for the first time at the 220th ACS National Meeting.
Full Story: http://www.chemweb.com/alchem/2000/news/nw_000822_preprint.html
Chemical Community shows support for The Chemistry Preprint Server
Some of the chemical community's most respected names have shown their support for the CPS by joining the Advisory Board.
Full Story: http://www.chemweb.com/alchem/2000/news/nw_000822_board.html



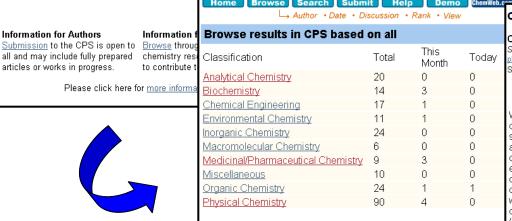
articles or works in progress.

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The Chemistry Preprint Server

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Constantine Yannouleas, Uzi Landman

School of Physics, Georgia Institute of Technology, Atlanta, GA 30332-0430 ph274cy@prism.gatech.edu

Submitted on 22 May 2001/20:27

We show that the spin-and-space unrestricted Hartree-Fock method, in conjunction with the companion step of the restoration of spin and space symmetries via Projection Techniques (when such symmetries are broken), is able to describe the full range of couplings in twodimensional double quantum dots, from the strong-coupling regime exhibiting delocalized molecular orbitals to the weak-coupling and dissociation regimes associated with a Generalized Valence Bond combination of atomic-type orbitals localized on the individual dots. The weak-coupling regime is always accompanied by an antiferromagnetic ordering of the spins of the individual dots. The cases of dihydrogen (H 2, 2e) and dilithium (Li 2, 6e) quantum dot molecules are discussed



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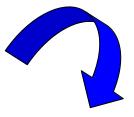
Author comments Constantine Yannouleas (23 May 2001)

Based on an Invited Talk at the ISSPIC10 International Conference

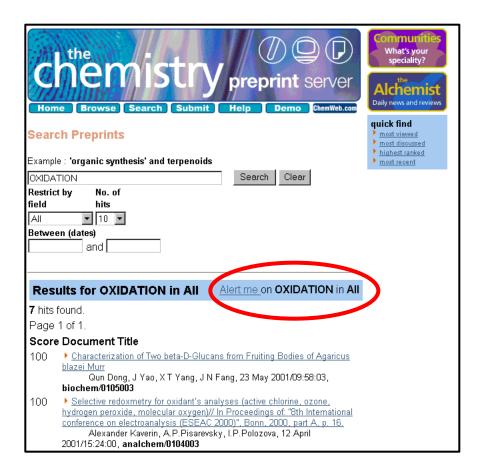


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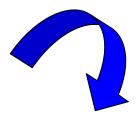
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